



Configuration:

LR-5200-072 Advanced Intelligent DSP RF Receiver (72 MHz)

Product Overview:

Listen Technologies' LR-5200-072 RF receiver offers assistive listening users an option for high-performance audio in a compact device that offers best-in-class pickup and reduced noise. The LR-5200-072 also provides houses of worship, theaters, lecture halls, and other venues with an affordable and easy-to-manage solution when adding or expanding their assistive listening options.

The built-in rechargeable battery technology makes the LR-5200-072 an economical and environmentally friendly choice, reducing the costs of operation and ownership while offering extended use. Each unit features a micro-USB connection which, in addition to being used for quick and convenient battery charging, also allows for fast and simple firmware updates, setup, and programming using the <u>free iDSP software</u>.

The integrated neck loop and lanyard with DSP loop driver makes the LR-5200-072 easy to wear and convenient for listeners with T-coil equipped hearing aids. Additionally, the OLED display built in to each receiver provides at-a-glance information including channel status, battery level, and more.

From classrooms to conferences, businesses to banquet halls, and more, the LR-5200-072 makes an outstanding choice for a comfortable, clear, and reliable personal listening receiver.

Highlights:

- High-performance, ultra-sensitive RF personal listening receiver offering the best reception and lowest noise in its class
- Compact design—the smallest of its kind—makes it easier to wear, dispense, store, and maintain
- Advanced rechargeable battery technology reduces costs and provides long-lasting charge for extended use
- Integrated neck loop and lanyard with DSP loop driver provides an ideal listening experience for users with T-coilequipped hearing aids
- OLED display offers at-a-glance information including channel status, battery level, volume, and more

Includes:

One (1) LR-5200-072 Advanced Intelligent DSP RF Receiver (72 MHz)* *The LR-5200-072 comes with a quick start guide and a non-proprietary field replaceable Lithium-ion battery.

| Product Specification: Advanced Intelligent DSP RF Receiver (72 MHz) | |
|--|---|
| Audio | |
| Frequency Response | 50 Hz - 15 kHz (±3 dB) |
| System Distortion | < 2% total harmonic distortion (THD) at 80% deviation |
| Output/s | Two (2) 3.5 mm (0.14 in.) connectors, unbalanced, 0 dBu nominal output level, |

Listen Technologies Corporation * 14912 Heritage Crest Way * Bluffdale * Utah 84065-4818 U.S.A. +1.801.233.8992 * +1.800.330.0891 North America * +1.801.233.8995 Fax Listen Technologies Corporation All rights reserved 91407 - Created August 6, 2021



| Product Spe | cification: Advanced Intelligent DSP RF Receiver (72 MHz) |
|------------------------------|--|
| | 16 mW maximum, impedance 32 ohm |
| System Signal to Noise Ratio | SQ enabled 80 dB, SQ disabled 60 dB |
| | Controls |
| User Controls | Power, up/down volume, Listen button for end user channel selection |
| Programming | Via software and USB port |
| Set-up Controls | Press and hold up/down volume buttons for 5 seconds to enter channel adjust, use up/down to select channel |
| | Indicators |
| LEDs | Flashes when batteries are low or to indicate charging, solid when fully charged |
| Display | Channel designation, battery level, unit number, charging status |
| | RF |
| Frequency Range | 72.025 - 75.950 MHz |
| Number of Channels | 17 wide band, 40 narrow band |
| Sensitivity | .6uV typical, 1 uV maximum for 12 dB sinad |
| Frequency Accuracy | \pm .005% stability 32 to 122 $^{\mathrm{o}}$ F (0 to 50 $^{\mathrm{o}}$ C) |
| Squelch | Programmable in 20 steps, automatic on loss of RF signal |
| Antenna Type | Uses ear phone/neck loop lanyard and short ear phone cable or standard earphone cable |
| | Power |
| Power Supply | Micro USB connector, 5 V, 500 mA |
| Battery Type | Lithium Ion 3.7 Vdc, 1200 mAh |
| Battery Life | 8 Hours of continuous use |
| Battery Charging Time | Fully charged in 2.5 Hours |
| | Physical |
| Color | Black |
| Unit Weight with Batteries | 2.40 oz. (68 g) |
| Shipping Weight | 3.20 oz. (91 g) with 1.0 lbs. (454 g) minimum |
| Dimensions (H x W x D) | 3.75 x 2.0 x 0.64 in. (9.6 x 5.0 x 1.7 cm) |
| Unit Weight | 1.60 oz. (45 g) |
| Dimensions with Belt Clip | 3.75 x 2.0 x 0.80 in. (9.6 x 5.0 x 2.1 cm) |
| | Environmental |
| Temperature - Operation | 14 to 104 °F (-10 to 40 °C) |
| Temperature - Storage | (-)4 to 122 °F (-20 to 50 °C) |
| Relative Humidity | 0 to 95% relative humidity, non-condensing |
| | Compliance |
| Standards | FCC Part 15, Part 90, Industry Canada, RoHS |

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